## APPENDIX P

ENVIRONMENTAL DATA RESOURCES REPORT: KESHENA SITE



# The EDR Radius Map with GeoCheck®

Keshena Site SR-55/SR-47 Keshena, WI 54135

Inquiry Number: 01349171.1r

**January 26, 2005** 

## The Standard in Environmental Risk Management Information

440 Wheelers Farms Road Milford, Connecticut 06460

## **Nationwide Customer Service**

Telephone: 1-800-352-0050 Fax: 1-800-231-6802 Internet: www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050 with any questions or comments.

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A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report meets the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-00. Search distances are per ASTM standard or custom distances requested by the user.

### TARGET PROPERTY INFORMATION

## **ADDRESS**

SR-55/SR-47 KESHENA, WI 54135

## COORDINATES

Latitude (North): 44.862900 - 44\* 51' 46.4" Longitude (West): 88.630400 - 88\* 37' 49.4"

Universal Tranverse Mercator: Zone 16 UTM X (Meters): 371189.6 UTM Y (Meters): 4968796.5

Elevation: 860 ft. above sea level

#### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property: 44088-G6 THORNTON, WI Source: USGS 7.5 min quad index

#### **TARGET PROPERTY SEARCH RESULTS**

The target property was not listed in any of the databases searched by EDR.

## **DATABASES WITH NO MAPPED SITES**

No mapped sites were found in EDR's search of available ( "reasonably ascertainable ") government records either on the target property or within the ASTM E 1527-00 search radius around the target property for the following databases:

## FEDERAL ASTM STANDARD

NPL	National Priority List
Proposed NPL	
CERCLIS.	
	System
CERC-NFRAP	. CERCLIS No Further Remedial Action Planned
CORRACTS	Corrective Action Report
RCRA-TSDF	Resource Conservation and Recovery Act Information
RCRA-LQG	Resource Conservation and Recovery Act Information
RCRA-SQG	

ERNS..... Emergency Response Notification System

## STATE ASTM STANDARD

SHWS..... Hazard Ranking List

SWF/LF. List of Licensed Landfills

LUST..... Leaking Underground Storage Tank Database INDIAN UST...... Underground Storage Tanks on Indian Land VCP......Voluntary Party Liability Exemption Sites

#### FEDERAL ASTM SUPPLEMENTAL

CONSENT...... Superfund (CERCLA) Consent Decrees

ROD...... Records Of Decision

Delisted NPL..... National Priority List Deletions

HMIRS..... Hazardous Materials Information Reporting System

MLTS..... Material Licensing Tracking System

MINES..... Mines Master Index File NPL Liens Federal Superfund Liens PADS...... PCB Activity Database System DOD..... Department of Defense Sites UMTRA..... Uranium Mill Tailings Sites ODI...... Open Dump Inventory FUDS..... Formerly Used Defense Sites

RAATS RCRA Administrative Action Tracking System

Rodenticide Act)/TSCA (Toxic Substances Control Act)

## STATE OR LOCAL ASTM SUPPLEMENTAL

\_\_\_\_\_ Tanks Database WI Spills Database

WI WDS....... Registry of Waste Disposal Sites

BRRTS..... Bureau of Remediation & Redevelopment Tracking System

CRS...... Closed Remediation Sites AGSPILLS..... Agricultural Spill Cases

DRYCLEANERS..... Five Star Recognition Program Sites WI ERP..... Environmental Repair Program Database

WI WRRSER..... Wisconsin Remedial Response Site Evaluation Report

## **EDR PROPRIETARY HISTORICAL DATABASES**

## **BROWNFIELDS DATABASES**

US BROWNFIELDS..... A Listing of Brownfields Sites

BEAP Brownfields Environmental Assessment Program VCP Voluntary Party Liability Exemption Sites

INST CONTROL...... Deed Restriction at Closeout Sites

#### **SURROUNDING SITES: SEARCH RESULTS**

Surrounding sites were identified.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in bold italics are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

## STATE ASTM STANDARD

**UST:** The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Commerces' List: All Underground Storage Tanks Except for Fuel Oil.

A review of the UST list, as provided by EDR, and dated 10/08/2004 has revealed that there is 1 UST site within approximately 1.25 miles of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
Not reported	RTE 2	1/2 - 1 SSE	1	6

#### FEDERAL ASTM SUPPLEMENTAL

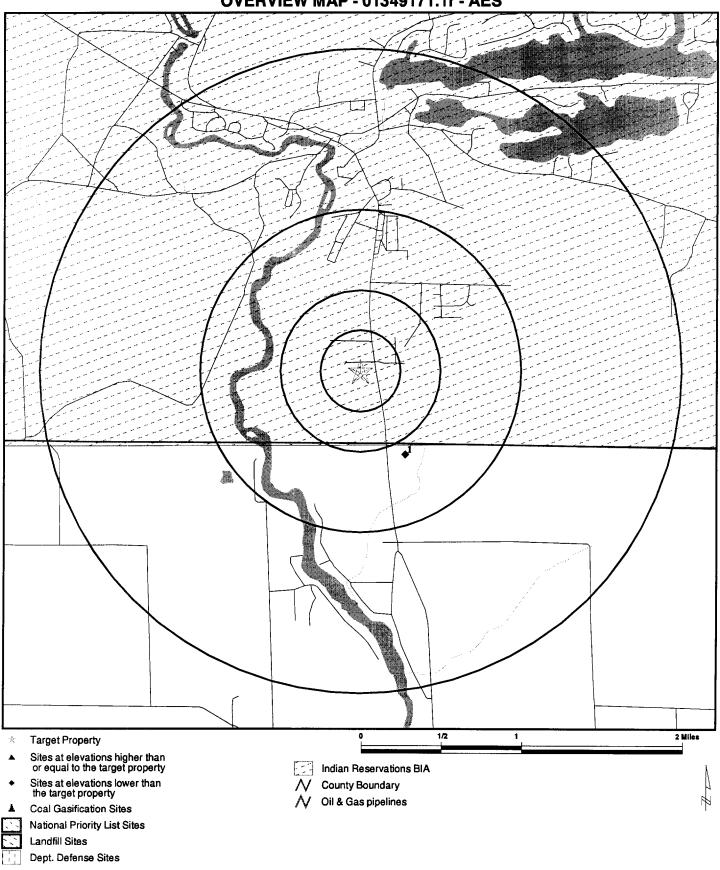
Indian Lands: This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

A review of the INDIAN RESERV list, as provided by EDR, has revealed that there is 1 INDIAN RESERV site within approximately 2 miles of the target property.

Equal/Higher Elevation	Address	Dist /	Dir Map ID	Page
MENOMINEE INDIAN RESERVATION		0 - 1/8	0	6

Due to poor or inadequate address information, the following sites were not mapped:

## **OVERVIEW MAP - 01349171.1r - AES**



TARGET PROPERTY: ADDRESS: CITY/STATE/ZIP: LAT/LONG:

Keshena Site SR-55/SR-47 Keshena WI 54135 44.8629 / 88.6304

CUSTOMER: CONTACT:

DATE:

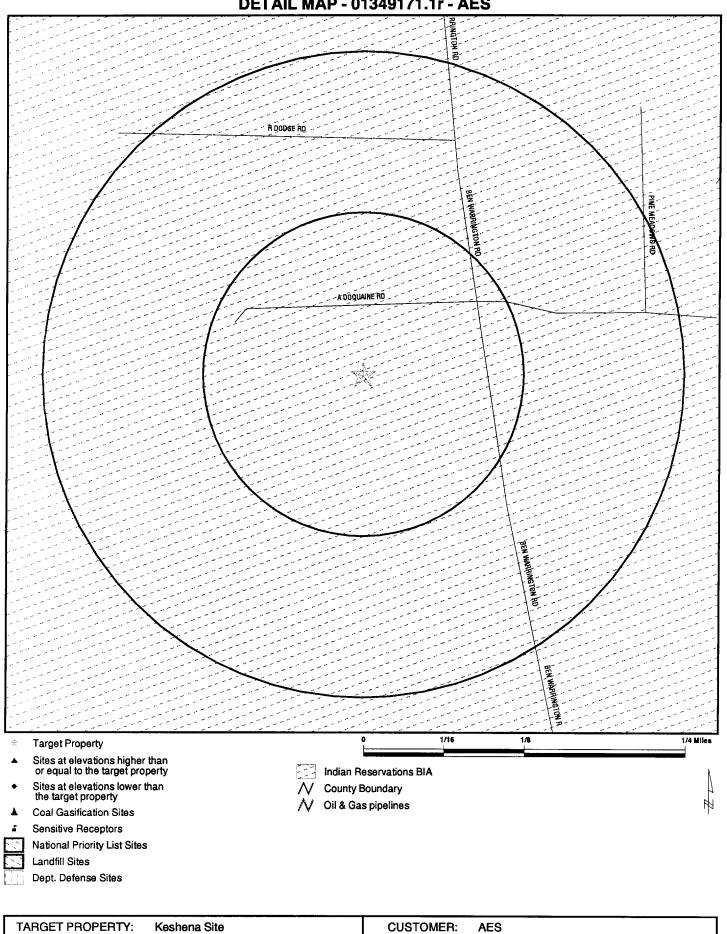
INQUIRY#:

**Pete Connelly** 01349171.1r

January 26, 2005 7:48 pm

**AES** 

## **DETAIL MAP - 01349171.1r - AES**



TARGET PROPERTY: ADDRESS: CITY/STATE/ZIP: LAT/LONG:

Keshena Site SR-55/SR-47 Keshena WI 54135 44.8629 / 88.6304 CUSTOMER: CONTACT:

Pete Connelly 01349171.1r January 26, 2005 7:48 pm INQUIRY#: DATE:

## MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FEDERAL ASTM STANDARI	2							
NPL Proposed NPL CERCLIS CERC-NFRAP CORRACTS RCRA TSD RCRA Lg. Quan. Gen. RCRA Sm. Quan. Gen. ERNS		2.000 2.000 1.500 1.250 2.000 1.500 1.250 1.250 1.000	0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0	0 0 0 0 0 0 0 0 NR	0 0 0 0 0 0
STATE ASTM STANDARD								
State Haz. Waste State Landfill LUST UST INDIAN UST VCP FEDERAL ASTM SUPPLEME	ENTAL	2.000 1.500 1.500 1.250 1.250 1.500	0 0 0 0	0 0 0 0 0	0 0 0 0 0	0 0 0 1 0	0 0 0 0 0	0 0 0 1 0
CONSENT ROD Delisted NPL FINDS HMIRS MLTS MINES NPL LienS PADS DOD INDIAN RESERV UMTRA ODI FUDS RAATS TRIS TSCA SSTS FTTS	PPLEMENTAL	2.000 2.000 2.000 1.000 1.000 1.000 1.250 1.000 2.000 2.000 1.500 2.000 1.000 1.000 1.000	000000000000000000000000000000000000000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0 0 0 RRR 0 RR 0 0 0 0 0 RRR RR N N N O 0 0 0 RR R R R R R N N N N N N N N N N	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
AST WI Spills WI WDS		1.000 1.000 1.500	0 0 0	0 0 0	0 0 0	0 0 0	NR NR 0	0 0 0

# MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	<u>&gt; 1</u>	Total Plotted
BRRTS CRS		1.000 1.000	0 0	0	0	0	NR NR	0 0
AGSPILLS		1.000	0	0	0	o o	NR	0
DRYCLEANERS		1.250	ŏ	ŏ	ŏ	ŏ	0	Ŏ
WIERP		1.500	Ó	0	0	0	0	0
WI WRRSER		1.000	0	0	0	0	NR	0
EDR PROPRIETARY HISTO	RICAL DATAB	ASES						
Coal Gas		2.000	0	0	0	0	0	0
BROWNFIELDS DATABASE	<u>:s</u>							
US BROWNFIELDS		1.500	0	0	0	0	0	0
BEAP		1.500	0	0	0	0	0	0
VCP		1.500	0	Ō	Ō	0	0	0
INST CONTROL		1.500	0	0	0	0	0	0

## NOTES:

AQUIFLOW - see EDR Physical Setting Source Addendum

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID Direction Distance Distance (ft.) Elevation Site

Database(s)

**EDR ID Number EPA ID Number** 

Coal Gas Site Search: No site was found in a search of Real Property Scan's ENVIROHAZ database.

IND RES **MENOMINEE INDIAN RESERVATION**  **INDIAN RESERV** 

CIND000205 N/A

Region **MENOMINEE** (County), WI

< 1/8 1 ft.

FEDERAL INDIAN SITES:

Feature 1: Feature 2: Indian Reservations BIA

Feature 3:

Not reported Not reported

Agency:

BIA

URL:

Not reported

Name 1:

Menominee Indian Reservation

Name 2:

Not reported

Name 3:

Not reported

State:

WI

UST U003502719 SSE RTE 2 N/A

1/2-1 3102 ft.

Relative: Lower

UST:

Facility ID:

SHAWANO, WI 54166

95948 In Use

Actual:

Tank Status: Municipality Name:

**SHAWANO** 

857 ft. Site Municipality: Federally Regulated:

No

Owner:

JOHN KRIZAN

RT 2

Owner Address:

SHAWANO, WI 54166

Owner PO Box: Town Cust ID: Object ID:

Not reported 327920

Object Type: Tank Size (gal):

344892 UST 325

Tank Contents:

Leaded Gasoline

Tank Occupancy:

Agricultural

Tank Market:

No

Tank Wang Object ID: Tank Status Date: Fire Dept ID: Land Owner Type:

581000218 Not reported Shawano Private

Facility county code: **Building Address:** 

58 RTE 2 SHAWANO, 54166 Singl

Wall Size:

Single

City	EDR ID	Site Name	Site Address	Zip Database(s)
KESHENA	U003959668		HWY 47 & 55	54135 UST
KESHENA	S106228495	RIVERMART	HWY 47 / CTH VV E	54135 LUST, CRS, INST CONTROL
KESHENA	S105847550	REITERS AUTO SERVICE - FORMER	HWY 47 / 55	54135 BRRTS
KESHENA	\$105591212	THE HILLSTOP INC.	HIGHWAY 47 / 55 P.O. BOX 54	54135 INDIAN UST
KESHENA	S105591211	THE HILLSTOP INC.	HIGHWAY 47 / 55 P.O. BOX 54	54135 INDIAN UST
KESHENA	1001484207	AMOCO GAS STATION FORMER	HWY 47 & 55 FIRE DEPT RD	54135 RCRA-SQG, FINDS
KESHENA	1001204108	TOMAW GAS STATION FORMER	HWY 47 & RABITT RIDGE	54135 RCRA-SQG, FINDS
KESHENA	1001082214	RANGER STATION	HWY 47 AND CO RD VV	54135 RCRA-SQG, FINDS
KESHENA	1000880157	RIVERMART	HWY 47 AND COUNTY VV	54135 RCRA-SQG, FINDS
KESHENA	1000309698	TREND PROD	HWY 47	54135 RCRA-SQG, FINDS
KESHENA	U003472346		HWY 47-55	54135 AST
KESHENA	S103878241	AMOCO GAS STATION (FORMER)	HWY 47/55 / FIRE DEPT RD	54135 LUST
KESHENA	S106450228	MENOMINEE CNTY HWY DEPT	HWY 55	54135 LUST, WI ERP
KESHENA	S105591206	MENOMINEE COUNTY HIGHWAY DEPARTMEN	HIGHWAY 55	54135 INDIAN UST
KESHENA	\$105591205	MENOMINEE COUNTY HIGHWAY DEPARTMEN	HIGHWAY 55	54135 INDIAN UST
KESHENA	1001092574	MENOMINEE GAS CO	HWY 55	54135 RCRA-SQG, FINDS
KESHENA	S106450197	CATS NATIONWIDE INC	HWY 55; N OF KESHENA	54135 WI ERP
KESHENA	1001126209	SOUTH BRANCH RANGER STA (FORMER)	HWY AA & HWY B	54135 RCRA-SQG, FINDS
KESHENA	U003489236		18 CNTY VV WHITE CLOUD	54135 UST
KESHENA	S102455224	U S GOVT GAS STATION (FORMER)	CTH VV E / BLACKSMITH RD	54135 LUST
KESHENA	1001126224	US GOV GAS STA (FORMER)	CTH VV EAST & BLACKSMITH RD	54135 RCRA-SQG, FINDS
KESHENA	\$105846239	KESHENA FIRE STATION - FORMER	FIRE DEPT RD	54135 BRRTS
KESHENA	1001204167	KESHENA FIRE DEPT FORMER	FIRE DEPT RD & STH 85	54135 RCRA-SQG, FINDS
KESHENA	U003226108		FIRE DEPT RD	54135 UST
KESHENA	1000467893	MENOMINEE HIGHWAY DEPT	HCR BOX 102	54135 RCRA-SQG, FINDS
KESHENA	U003859305		W155 HUCKLEBERRY CT	54135 UST
KESHENA	S104944834	HUTTER CONST SITE	HUTTER CONST SITE	54135 WI Spills
KESHENA	U003958809		N1039 HWY 55	54135 UST
KESHENA	A100263604		N1039 HWY 55	54135 AST
KESHENA	S105591207	MENOMINEE FORESTRY OFFICE	H IGHWAY 47 N P.O. BOX 670	54135 INDIAN UST
KESHENA	1001121736	MENOMONIE INDIAN TRIBE CLEAN SWEEP	KITTECON RD	54135 RCRA-SQG, FINDS
KESHENA	U003859245		LOT 17 WHITE CLOUD	54135 UST
KESHENA	A100152531		LOT 3, LAMOTTE LAKE	54135 AST
KESHENA	\$102850916	MENOMINEE CNTY CONSERVATION DEPT	MAHWAEW PARK CT	LUST
KESHENA	U003226107		MAHWAEW PARK CIR	54135 UST
KESHENA	U003822695		60 MOONLIGHT RD	54135 UST
KESHENA	S103709358	4.5 M N OF KESHENA ON HWY 55	4.5 M N OF KESHENA ON HWY 55	54135 WI Spills
KESHENA	1000892230	MENOMINEE INDIAN TRIBE	OLD S BRANCH RD BIA 19	54135 RCRA-SQG, FINDS
KESHENA	A100186214		NORTH SHORE	54135 AST
KESHENA	U003818504		74 SPIRITRIDGE	54135 UST
KESHENA	1001204163	CONSERVATION DEPARTMENT	STH 47 & COURTHOUSE RD	54135 RCRA-SQG, FINDS
KESHENA	U003818036		108 HWY VV	54135 UST
KESHENA	S105848325	THUNDERBIRD OF MENOMINEE INC	HWY W	54135 BRRTS

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Elapsed ASTM days:** Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

#### FEDERAL ASTM STANDARD RECORDS

NPL: National Priority List

Source: EPA Telephone: N/A

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 10/12/04 Date Made Active at EDR: 12/09/04

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 11/02/04

Elapsed ASTM days: 37

Date of Last EDR Contact: 11/02/04

#### **NPL Site Boundaries**

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1

Telephone 617-918-1143

EPA Region 3

Telephone 215-814-5418

EPA Region 4

Telephone 404-562-8033

EPA Region 6

Telephone: 214-655-6659

EPA Region 8

Telephone: 303-312-6774

Proposed NPL: Proposed National Priority List Sites

Source: EPA Telephone: N/A

Date of Government Version: 09/23/04

Date Made Active at EDR: 12/09/04

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 11/02/04

Elapsed ASTM days: 37

Date of Last EDR Contact: 11/02/04

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

Source: EPA

Telephone: 703-413-0223

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities

List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 08/10/04 Date Made Active at EDR: 10/27/04

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 09/21/04

Elapsed ASTM days: 36

Date of Last EDR Contact: 12/21/04

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Source: EPA

Telephone: 703-413-0223

As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

Date of Government Version: 08/10/04 Date Made Active at EDR: 10/27/04 Database Release Frequency: Quarterly Date of Data Arrival at EDR: 09/21/04 Elapsed ASTM days: 36 Date of Last EDR Contact: 12/21/04

**CORRACTS:** Corrective Action Report

Source: EPA

Telephone: 800-424-9346

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 09/23/04 Date Made Active at EDR: 11/18/04

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 10/07/04

Elapsed ASTM days: 42

Date of Last EDR Contact: 12/07/04

RCRA: Resource Conservation and Recovery Act Information

Source: EPA

Telephone: 800-424-9346

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 11/23/04 Date Made Active at EDR: 01/18/05 Database Release Frequency: Varies Date of Data Arrival at EDR: 11/24/04

Elapsed ASTM days: 55

Date of Last EDR Contact: 11/24/04

ERNS: Emergency Response Notification System

Source: National Response Center, United States Coast Guard

Telephone: 202-260-2342

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous

substances.

Date of Government Version: 12/31/03 Date Made Active at EDR: 03/12/04

Database Release Frequency: Annually

Date of Data Arrival at EDR: 01/26/04

Elapsed ASTM days: 46

Date of Last EDR Contact: 10/25/04

#### FEDERAL ASTM SUPPLEMENTAL RECORDS

**BRS:** Biennial Reporting System

Source: EPA/NTIS Telephone: 800-424-9346

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG)

and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/01/01 Date of Last EDR Contact: 12/13/04

Database Release Frequency: Biennially Date of Next Scheduled EDR Contact: 03/14/05

CONSENT: Superfund (CERCLA) Consent Decrees

Source: Department of Justice, Consent Decree Library

Telephone: Varies

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 03/05/04 Date of Last EDR Contact: 10/25/04

Database Release Frequency: Varies Date of Next Scheduled EDR Contact: 01/24/05

ROD: Records Of Decision

Source: EPA

Telephone: 703-416-0223

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical

and health information to aid in the cleanup.

Date of Government Version: 09/09/04 Date of Last EDR Contact: 01/05/05

Database Release Frequency: Annually Date of Next Scheduled EDR Contact: 04/04/05

**DELISTED NPL:** National Priority List Deletions

Source: EPA Telephone: N/A

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the

NPL where no further response is appropriate.

Date of Government Version: 10/12/04 Date of Last EDR Contact: 11/02/04

Database Release Frequency: Quarterly

Date of Next Scheduled EDR Contact: 01/31/05

FINDS: Facility Index System/Facility Identification Initiative Program Summary Report

Source: EPA Telephone: N/A

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 09/09/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/03/05

Date of Next Scheduled EDR Contact: 04/04/05

HMIRS: Hazardous Materials Information Reporting System

Source: U.S. Department of Transportation

Telephone: 202-366-4555

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 09/08/04 Date of Last EDR Contact: 10/28/04

Database Release Frequency: Annually Date of Next Scheduled EDR Contact: 01/17/05

MLTS: Material Licensing Tracking System Source: Nuclear Regulatory Commission

Telephone: 301-415-7169

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency,

EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/15/04 Date of Last EDR Contact: 01/03/05

Database Release Frequency: Quarterly

Date of Next Scheduled EDR Contact: 04/04/05

MINES: Mines Master Index File

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959

Date of Government Version: 09/13/04 Date of Last EDR Contact: 12/28/04

Database Release Frequency: Semi-Annually

Date of Next Scheduled EDR Contact: 03/28/05

NPL LIENS: Federal Superfund Liens

Source: EPA

Telephone: 202-564-4267

Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation

and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability.

USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/91 Date of L.

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 11/22/04

Date of Next Scheduled EDR Contact: 02/21/05

PADS: PCB Activity Database System

Source: EPA

Telephone: 202-564-3887

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers

of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 09/30/04 Date of Last EDR Contact: 11/12/04

Database Release Frequency: Annually Date of Next Scheduled EDR Contact: 02/07/05

**DOD:** Department of Defense Sites

Source: USGS

Telephone: 703-692-8801

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 10/01/03 Date of Last EDR Contact: 11/12/04

Database Release Frequency: Semi-Annually Date of Next Scheduled EDR Contact: 02/07/05

UMTRA: Uranium Mill Tailings Sites Source: Department of Energy Telephone: 505-845-0011

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized. In 1978, 24 inactive uranium mill tailings sites in Oregon, Idaho, Wyoming, Utah, Colorado, New Mexico, Texas, North Dakota, South Dakota, Pennsylvania, and on Navajo and Hopi tribal lands, were targeted for cleanup by the Department of

Date of Government Version: 04/22/04 Database Release Frequency: Varies

Date of Last EDR Contact: 12/21/04

Date of Next Scheduled EDR Contact: 03/21/05

ODI: Open Dump Inventory

Source: Environmental Protection Agency

Telephone: 800-424-9346

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258

Subtitle D Criteria.

Date of Government Version: 06/30/85 Database Release Frequency: No Update Planned Date of Last EDR Contact: 05/23/95
Date of Next Scheduled EDR Contact: N/A

FUDS: Formerly Used Defense Sites Source: U.S. Army Corps of Engineers

Telephone: 202-528-4285

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers

is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/03 Date of Last EDR Contact: 01/03/05

Database Release Frequency: Varies Date of Next Scheduled EDR Contact: 04/04/05

INDIAN RESERV: Indian Reservations

Source: USGS

Telephone: 202-208-3710

This map layer portrays Indian administered lands of the United States that have any area equal to or greater

than 640 acres.

Date of Government Version: 10/01/03 Date of Last EDR Contact: 11/12/04

Database Release Frequency: Semi-Annually

Date of Next Scheduled EDR Contact: 02/07/05

RAATS: RCRA Administrative Action Tracking System

Source: EPA

Telephone: 202-564-4104

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/95 Date of Last EDR Contact: 12/06/04

Database Release Frequency: No Update Planned Date of Next Scheduled EDR Contact: 03/07/05

TRIS: Toxic Chemical Release Inventory System

Source: EPA

Telephone: 202-566-0250

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and

land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/02 Date of Last EDR Contact: 12/20/04

Database Release Frequency: Annually Date of Next Scheduled EDR Contact: 03/21/05

TSCA: Toxic Substances Control Act

Source: EPA

Telephone: 202-260-5521

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant

site.

Date of Government Version: 12/31/02 Date of Last EDR Contact: 12/06/04

Database Release Frequency: Every 4 Years Date of Next Scheduled EDR Contact: 03/07/05

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Source: EPA

Telephone: 202-564-2501

Date of Government Version: 04/13/04 Date of Last EDR Contact: 12/01/04

Database Release Frequency: Quarterly

Date of Next Scheduled EDR Contact: 03/21/05

SSTS: Section 7 Tracking Systems

Source: EPA

Telephone: 202-564-5008

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices

being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/03 Date of Last EDR Contact: 11/29/04

Database Release Frequency: Annually Date of Next Scheduled EDR Contact: 04/18/05

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

Telephone: 202-564-2501

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 09/13/04 Database Release Frequency: Quarterly Date of Last EDR Contact: 12/01/04
Date of Next Scheduled EDR Contact: 03/21/05

#### STATE OF WISCONSIN ASTM STANDARD RECORDS

SHWS: Hazard Ranking List

Source: Department of Natural Resources

Telephone: 608-266-2632

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 11/30/94 Date Made Active at EDR: 03/01/95

Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 02/10/95

Elapsed ASTM days: 19

Date of Last EDR Contact: 10/26/04

SWF/LF: List of Licensed Landfills

Source: Department of Natural Resources

Telephone: 608-267-7557

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 11/08/04 Date Made Active at EDR: 12/15/04

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 11/12/04

Elapsed ASTM days: 33

Date of Last EDR Contact: 10/25/04

LUST: Leaking Underground Storage Tank Database

Source: Department of Natural Resources

Telephone: 608-266-2111

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 10/14/04 Date Made Active at EDR: 11/16/04 Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 10/14/04

Elapsed ASTM days: 33

Date of Last EDR Contact: 01/12/05

**UST:** Registered Underground Storage Tanks

Source: Department of Commerce Telephone: 608-266-7874

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 10/08/04 Date Made Active at EDR: 11/10/04

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 10/13/04

Elapsed ASTM days: 28

Date of Last EDR Contact: 01/12/05

INDIAN UST: Underground Storage Tanks on Indian Land

Source: EPA Region 5 Telephone: 312-886-6136

> Date of Government Version: 11/01/02 Date Made Active at EDR: 12/04/02 Database Release Frequency: Varies

Date of Data Arrival at EDR: 11/12/02

Elapsed ASTM days: 22

Date of Last EDR Contact: 11/22/04

VCP: Voluntary Party Liability Exemption Sites Source: Department of Natural Resources

Telephone: 608-266-2111

The Voluntary Party Liability Exemption is an elective environmental cleanup program. Interested persons who meet the definition of "voluntary party" are eligible to apply. A "voluntary party" is any person who submits an application

and pays all the necessary fees.

Date of Government Version: 12/08/04 Date Made Active at EDR: 01/20/05 Database Release Frequency: Varies Date of Data Arrival at EDR: 12/08/04

Elapsed ASTM days: 43

Date of Last EDR Contact: 12/08/04

#### STATE OF WISCONSIN ASTM SUPPLEMENTAL RECORDS

**AST:** Tanks Database

Source: Department of Commerce

Telephone: 608-266-7874

Date of Government Version: 10/08/04 Date of Last EDR Contact: 01/12/05

Database Release Frequency: Quarterly

Date of Next Scheduled EDR Contact: 04/11/05

SPILLS: Spills Database

Source: Department of Natural Resources

Telephone: 608-264-6009

A discharge of a hazardous substance that may adversely impact, or threaten to adversely impact public health,

welfare or the environment. Spills are usually cleaned up quickly.

Date of Government Version: 10/07/04 Date of Last EDR Contact: 01/05/05

Database Release Frequency: Quarterly

Date of Next Scheduled EDR Contact: 04/04/05

WDS: Registry of Waste Disposal Sites Source: Department of Natural Resources

Telephone: 608-266-2632

The registry was created by the DNR to serve as a comprehensive listing of all sites where solid or hazardous

wastes have been or may have been deposited.

Date of Government Version: 11/01/00 Date of Last EDR Contact: 10/26/04

Database Release Frequency: No Update Planned Date of Next Scheduled EDR Contact: 01/24/05

BRRTS: Bureau of Remediation & Redevelopment Tracking System

Source: Department of Natural Resources

Telephone: 608-267-7563

BRRTS is a tracking system of contaminated sites. It holds key information for finding out more about a site or an activity. Activity types included are: Abandoned Container - An abandoned container with potentially hazardous contents recovered from a site. No discharge to the environment occurs. If the container did release a hazardous substance, a spill would be associated with the site. Superfund - is a federal program created by Congress in 1980 to finance cleanup of the nation's worst hazardous waste sites. VPLE - Voluntary Property Liability Exemptions apply to sites in which a property owner conducts an environmental investigation and cleanup of an entire property and then receives limits on their future liability. General Property - Environmental actions which apply to the property as a whole, rather than a specific source of contamination, such as the LUST or environmental repair site. Examples would be off-site letters, municipal liability clarification letters, lease letters, voluntary party liability exemption actions, and general liability clarification letters.

Date of Government Version: 12/08/04 Date of Last EDR Contact: 12/08/04

Database Release Frequency: Quarterly Date of Next Scheduled EDR Contact: 03/07/05

AGSPILLS: Agricultural Spill Cases

Source: Department of Agriculture, Trade & Consumer Protection

Telephone: 608-224-5058

Spills reported to the Department of Agriculture, Trade & Consumer Protection. There are two types of spills.

Long-term: These are mainly pesticide and fertilizer cases. Some might include other contaminants at the same site. Some might involve wood-treaters - which use pesticides. All of them involve spills of products, but these spills generally result from day to day use (chronic spills) rather than accidental spills (acute). Accidental:

These are the acute spills of pesticides and fertilizers and only involve pesticides and fertilizers. Most of these are cleaned up and closed within 3 to 6 months.

Date of Government Version: 03/29/04 Database Release Frequency: Varies

Date of Last EDR Contact: 12/10/04 Date of Next Scheduled EDR Contact: 02/21/05

**DRYCLEANERS:** Five Star Recognition Program Sites

Source: Department of Natural Resources

Telephone: 608-267-3125

Drycleaning facilities enrolled in the Five Star Recognition Program. The primary focus of the Five Star program is to encourage reductions in the use and emissions of perchloroethylene (perc), a common but potentially hazardous drycleaning solvent. Participating cleaners pursue recycling opportunities, spill prevention strategies, more efficient solvent use, and more wet cleaning to reduce their perc consumption.

Date of Government Version: 08/02/04 Database Release Frequency: Varies

Date of Last EDR Contact: 01/10/05 Date of Next Scheduled EDR Contact: 04/11/05

**CRS:** Closed Remediation Sites

Source: Department of Natural Resources

Telephone: 608-267-3532

A Closed Remediation Site is parcel of land at which the groundwater has become contaminated and which is affected by a particular type of legal restriction. Specifically, certain steps have been taken to stabilize/remediate the contamination, and the state is satisfied that no further efforts are necessary provided that the property is not used for certain purposes.

Date of Government Version: 12/01/04 Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 11/29/04 Date of Next Scheduled EDR Contact: 02/28/05

ERP: Environmental Repair Program Database Source: Department of Natural Resources

Telephone: 608-267-3543

Environmental Repair Program sites are sites other than LUST's that have contaminated soil and/or groundwater.

Often, these are old historic releases to the environment.

Date of Government Version: 10/14/04 Database Release Frequency: Quarterly Date of Last EDR Contact: 01/12/05 Date of Next Scheduled EDR Contact: 04/11/05

WRRSER: Wisconsin Remedial Response Site Evaluation Report

Source: Department of Natural Resources

Telephone: 608-266-2632

The WRRSER provides information about location, status, and priority of sites or facilities in the state which

are known to cause or have a high potential to cause environmental pollution.

Date of Government Version: 10/01/95

Date of Last EDR Contact: 10/26/04

Database Release Frequency: No Update Planned

Date of Next Scheduled EDR Contact: 01/24/05

## **EDR PROPRIETARY HISTORICAL DATABASES**

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

## Disclaimer Provided by Real Property Scan, Inc.

The information contained in this report has predominantly been obtained from publicly available sources produced by entities other than Real Property Scan. While reasonable steps have been taken to insure the accuracy of this report, Real Property Scan does not guarantee the accuracy of this report. Any liability on the part of Real Property Scan is strictly limited to a refund of the amount paid. No claim is made for the actual existence of toxins at any site. This report does not constitute a legal opinion.

#### **BROWNFIELDS DATABASES**

**BEAP:** Brownfields Environmental Assessment Program

Source: Department of Natural Resources

Telephone: 608-266-1618

"Brownfields" are abandoned or under-utilized commercial and industrial properties where expansion or redevelopment is hindered by real or perceived contamination. Through BEAP, DNR staff assess selected brownfields to determine if the properties are contaminated.

Date of Government Version: 12/31/00

Database Release Frequency: Annually

Date of Last EDR Contact: 11/24/04

Date of Next Scheduled EDR Contact: 02/21/05

INST CONTROL: Deed Restriction at Closeout Sites

Source: Department of Natural Resources

Telephone: 608-266-2111

Date a deed restriction is recorded at the Register of Deeds office for a property. Extent of soil contamination is known but impracticable to remove now or an engineering control is required to be maintained or NR720 industrial stds are applied. Restricts property use or requires future actions.

Date of Government Version: 10/14/04 Database Release Frequency: Quarterly Date of Last EDR Contact: 01/12/05

Date of Next Scheduled EDR Contact: 04/11/05

US BROWNFIELDS: A Listing of Brownfields Sites

Source: Environmental Protection Agency

Telephone: 202-566-2777

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: N/A
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

VCP: Voluntary Party Liability Exemption Sites Source: Department of Natural Resources

Telephone: 608-266-2111

The Voluntary Party Liability Exemption is an elective environmental cleanup program. Interested persons who meet the definition of "voluntary party" are eligible to apply. A "voluntary party" is any person who submits an application and pays all the necessary fees.

Date of Government Version: 12/08/04 Database Release Frequency: Varies Date of Last EDR Contact: 12/08/04

Date of Next Scheduled EDR Contact: 02/21/05

## OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

#### **Electric Power Transmission Line Data**

Source: PennWell Corporation Telephone: (800) 823-6277

This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its

fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

#### **AHA Hospitals:**

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

### **Medical Centers: Provider of Services Listing**

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services,

a federal agency within the U.S. Department of Health and Human Services.

#### **Nursing Homes**

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

#### **Public Schools**

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary

and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

## **Private Schools**

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

## **Daycare Centers: Day Care Directory**

Source: Department of Health & Family Services

Telephone: 608-266-9314

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

## STREET AND ADDRESS INFORMATION

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## **GEOCHECK®- PHYSICAL SETTING SOURCE ADDENDUM**

#### **TARGET PROPERTY ADDRESS**

KESHENA SITE SR-55/SR-47 KESHENA, WI 54135

## TARGET PROPERTY COORDINATES

Latitude (North): 44.862900 - 44\* 51' 46.4" Longitude (West): 88.630402 - 88\* 37' 49.4"

Universal Tranverse Mercator: Zone 16 UTM X (Meters): 371189.6 UTM Y (Meters): 4968796.5

Elevation: 860 ft. above sea level

EDR's GeoCheck Physical Setting Source Addendum has been developed to assist the environmental professional with the collection of physical setting source information in accordance with ASTM 1527-00, Section 7.2.3. Section 7.2.3 requires that a current USGS 7.5 Minute Topographic Map (or equivalent, such as the USGS Digital Elevation Model) be reviewed. It also requires that one or more additional physical setting sources be sought when (1) conditions have been identified in which hazardous substances or petroleum products are likely to migrate to or from the property, and (2) more information than is provided in the current USGS 7.5 Minute Topographic Map (or equivalent) is generally obtained, pursuant to local good commercial or customary practice, to assess the impact of migration of recognized environmental conditions in connection with the property. Such additional physical setting sources generally include information about the topographic, hydrologic, hydrogeologic, and geologic characteristics of a site, and wells in the area.

Assessment of the impact of contaminant migration generally has two principle investigative components:

- 1. Groundwater flow direction, and
- 2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata. EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

## **GROUNDWATER FLOW DIRECTION INFORMATION**

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

#### **TOPOGRAPHIC INFORMATION**

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

## TARGET PROPERTY TOPOGRAPHY

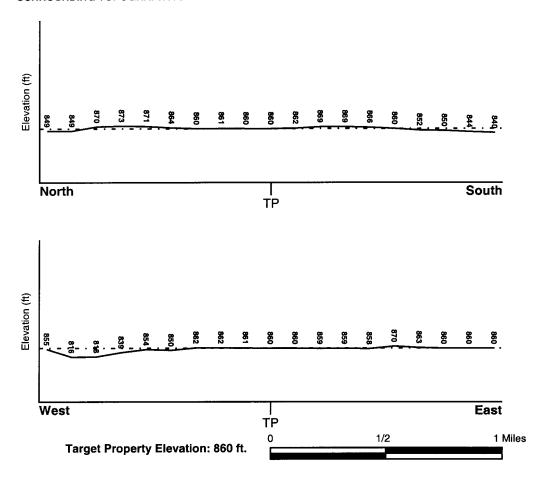
USGS Topographic Map: General Topographic Gradient: General NNE

44088-G6 THORNTON, WI

Source:

USGS 7.5 min quad index

#### **SURROUNDING TOPOGRAPHY: ELEVATION PROFILES**



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

## **HYDROLOGIC INFORMATION**

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

**FEMA FLOOD ZONE** 

**FEMA Flood** Electronic Data Target Property County Not Available

MENOMINEE, WI

Not Reported Flood Plain Panel at Target Property:

Not Reported Additional Panels in search area:

NATIONAL WETLAND INVENTORY

**NWI Electronic** NWI Quad at Target Property Data Coverage NOT AVAILABLE Not Available

#### HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

## Site-Specific Hydrogeological Data\*:

1.25 miles Search Radius: Status: Not found

#### **AQUIFLOW®**

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

> **GENERAL DIRECTION** LOCATION MAP ID FROM TP GROUNDWATER FLOW Not Reported

## GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

#### **GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY**

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

#### **ROCK STRATIGRAPHIC UNIT**

#### **GEOLOGIC AGE IDENTIFICATION**

Era: Precambrian Category: Plutonic and Intrusive Rocks

System: Precambrian

Series: Older Y granitic rocks

Code: Yg1 (decoded above as Era, System & Series)

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

## DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: MENAHGA

Soil Surface Texture: loamy sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to

excessively drained sands and gravels.

Soil Drainage Class: Excessively. Soils have very high and high hydraulic conductivity and

low water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: LOW

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

Soil Layer Information							
	Воц	ındary		Classi	fication		
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	4 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 20.00 Min: 6.00	Max: 6.50 Min: 4.50
2	4 inches	24 inches	coarse sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 20.00 Min: 6.00	Max: 6.50 Min: 4.50
3	24 inches	60 inches	coarse sand	Granular materials (35 pct. or less passing No. 200), Fine Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Poorly graded sand.	Max: 20.00 Min: 6.00	Max: 7.80 Min: 5.60

## OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: loamy fine sand

muck

mucky - loamy fine sand

fine sand

Surficial Soil Types:

loamy fine sand

muck

mucky - loamy fine sand

fine sand

Shallow Soil Types:

fine sand

Deeper Soil Types:

fine sand sand

## ADDITIONAL ENVIRONMENTAL RECORD SOURCES

According to ASTM E 1527-00, Section 7.2.2, "one or more additional state or local sources of environmental records may be checked, in the discretion of the environmental professional, to enhance and supplement federal and state sources... Factors to consider in determining which local or additional state records, if any, should be checked include (1) whether they are reasonably ascertainable, (2) whether they are sufficiently useful, accurate, and complete in light of the objective of the records review (see 7.1.1), and (3) whether they are obtained, pursuant to local, good commercial or customary practice." One of the record sources listed in Section 7.2.2 is water well information. Water well information can be used to assist the environmental professional in assessing sources that may impact groundwater flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

## WELL SEARCH DISTANCE INFORMATION

DATABASE SEARCH DISTANCE (miles)

Federal USGS 1.000

Federal FRDS PWS Nearest PWS within 1 mile

State Database 1.000

## FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS1220926	0 - 1/8 Mile ENE
2	USGS1220869	0 - 1/8 Mile WNW
3	USGS1220924	1/8 - 1/4 Mile SE
A4	USGS1220923	1/4 - 1/2 Mile SSE
5	USGS1220925	1/4 - 1/2 Mile East
A6	USGS1220922	1/4 - 1/2 Mile SSE
7	USGS1220876	1/2 - 1 Mile North

## FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID WELL ID LOCATION FROM TP

No PWS System Found

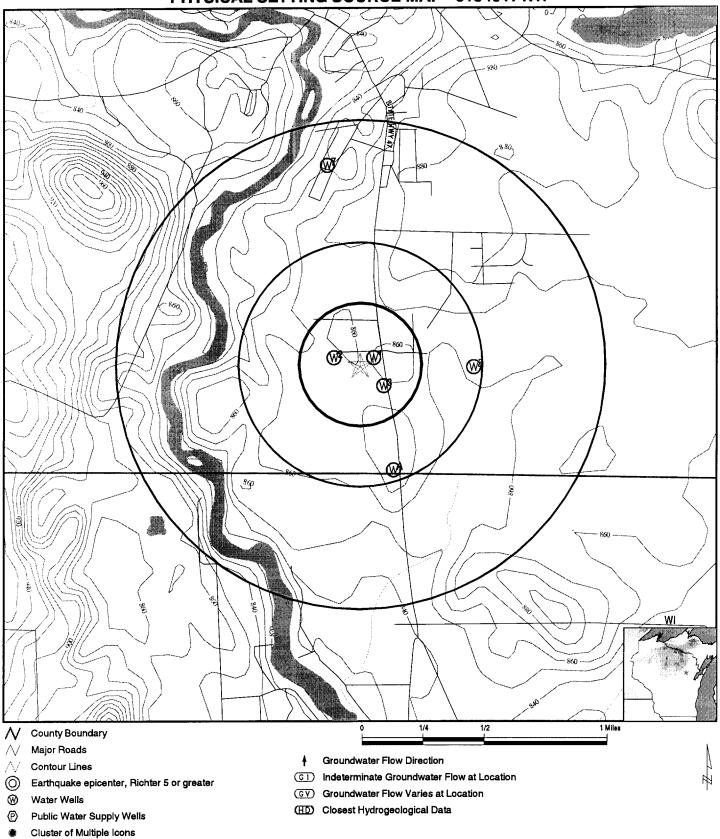
Note: PWS System location is not always the same as well location.

## STATE DATABASE WELL INFORMATION

MAP ID WELL ID LOCATION FROM TP

No Wells Found

## PHYSICAL SETTING SOURCE MAP - 01349171.1r



TARGET PROPERTY: ADDRESS: CITY/STATE/ZIP: LAT/LONG:

Keshena Site SR-55/SR-47 Keshena WI 54135 44.8629 / 88.6304 CUSTOMER: CONTACT: **AES** 

Pete Connelly 01349171.1r INQUIRY#:

January 26, 2005 7:48 pm DATE:

Map ID Direction Distance Elevation

Elevation Database EDR ID Number

FED USGS USGS1220926

0 - 1/8 Mile Higher

Agency: USGS Site ID: 445148088374501

Site Name: ME-28/15E/36-0084 MENOMINEE TRIBE

 Dec. Latitude:
 44.86333

 Dec. Longitude:
 -88.62917

 Coord Sys:
 NAD27

State: WI
County: Menominee County
Altitude: Not Reported
Hydrologic code: 04030202
Topographic: Not Reported

Site Type: Ground-water other than Spring

Const Date: Not Reported Inven Date: Not Reported

Well Type: Single well, other than collector or Ranney type

Primary Aquifer: 110QRNR

Aquifer type: Unconfined single aquifer

Well depth: 60

Hole depth: Not Reported Source: Not Reported

Project no: Not Reported

Ground-water levels, Number of Measurements: 0

2 WNW FED USGS USGS1220869

0 - 1/8 Mile Higher

Agency: USGS Site ID: 445148088375701

 Site Name:
 ME-28/15E/36-0071
 DUQUAINE

 Dec. Latitude:
 44.86333

 Dec. Longitude:
 -88.6325

Dec. Longitude: -88.6325
Coord Sys: NAD27
State: WI
County: Menomin

County: Menominee County
Altitude: Not Reported
Hydrologic code: 04030202
Topographic: Not Reported

Site Type: Ground-water other than Spring

Const Date: Not Reported Inven Date: Not Reported

Well Type: Single well, other than collector or Ranney type
Primary Aquifer: Not Reported

Aquifer type: Not Reported Well depth: Not Reported

Hole depth: Not Reported Source: Not Reported

Project no: Not Reported

Ground-water levels, Number of Measurements: 0

3 SF FED USGS USGS1220924

1/8 - 1/4 Mile Higher

Agency: USGS Site ID: 445142088374201

Site Name: ME-28/15E/36-0088 KING

 Dec. Latitude:
 44.86167

 Dec. Longitude:
 -88.62833

 Coord Sys:
 NAD27

 State:
 WI

County: Menominee County
Altitude: Not Reported
Hydrologic code: 04030202
Topographic: Not Reported

Site Type: Ground-water other than Spring

Const Date: Not Reported Inven Date: Not Reported

Well Type: Single well, other than collector or Ranney type

Primary Aquifer: 110QRNR

Aquifer type: Unconfined single aquifer

Well depth: 46

Hole depth: Not Reported Source: Not Reported

Project no: Not Reported

Ground-water levels, Number of Measurements: 0

A4 SSE FED USGS USGS1220923

1/4 - 1/2 Mile Higher

Agency: USGS Site ID: 445125088374001

Site Name: ME-28/15E/36-0097
Dec. Latitude: 44.85694

 Dec. Latitude:
 44.85694

 Dec. Longitude:
 -88.62778

 Coord Sys:
 NAD27

 State:
 WI

County: Menominee County

Altitude: 880.00
Hydrologic code: 04030202
Topographic: Not Reported

Site Type: Ground-water other than Spring

Const Date: 19800912 Inven Date: Not Reported

Well Type: Single well, other than collector or Ranney type

Primary Aquifer: Not Reported
Aquifer type: Not Reported
Well doubth: 57.0

Well depth: 57.0

Hole depth: 57.0 Source: Not Reported

Project no: Not Reported

Ground-water levels, Number of Measurements: 1

Feet below Feet to
Date Surface Sealevel

-----

1980-09-12 37.00

5 East FED USGS USGS1220925

East 1/4 - 1/2 Mile Higher

Agency: USGS Site ID: 445146088371501

Site Name: ME-28/15E/36-0077 MENOMINEE TRIBE

Dec. Latitude: 44.86278
Dec. Longitude: -88.62083
Coord Sys: NAD27
State: WI

County: Menominee County
Altitude: Not Reported
Hydrologic code: 04030202
Topographic: Not Reported

Site Type: Ground-water other than Spring

Const Date: Not Reported Inven Date: Not Reported

Well Type: Single well, other than collector or Ranney type

Primary Aquifer: 110QRNR

Aquifer type: Unconfined single aquifer

Well depth: 61

Hole depth: Not Reported Source: Not Reported

Project no: Not Reported

Ground-water levels, Number of Measurements: 0

A6 SSE FED USGS USGS1220922

1/4 - 1/2 Mile Higher

Agency: USGS Site ID: 445123088373801

Site Name: ME-28/15E/36-0037

 Dec. Latitude:
 44.85639

 Dec. Longitude:
 -88.62722

 Coord Sys:
 NAD27

 State:
 WI

County: Menominee County

Altitude: 880.00 Hydrologic code: 04030202 Topographic: Undulating

Site Type: Ground-water other than Spring

Const Date: 19760903 Inven Date: Not Reported

Well Type: Single well, other than collector or Ranney type

Primary Aquifer: 400GRNT
Aquifer type: Not Reported

Well depth: 97.0

Hole depth: 97.0 Source: driller

Project no: Not Reported

Ground-water levels, Number of Measurements: 1

Feet below Feet to
Date Surface Sealevel

1981-07-29 32.65

Lower

/ North FED USGS USGS1220876 1/2 - 1 Mile

Agency:

USGS

Site ID:

445229088375901

Site Name:

ME-28/15E/26-0006

Dec. Latitude: Dec. Longitude: Coord Sys:

44.87472 -88.63306 NAD27 WI

State: County:

Menominee County

Altitude: Hydrologic code: 840.00 04030202

Topographic:

Not Reported

Site Type:

Ground-water other than Spring

Const Date: Well Type:

Not Reported Inven Date:

Single well, other than collector or Ranney type Not Reported

Primary Aquifer: Aquifer type:

Not Reported

Well depth:

48.0

Hole depth:

48.0

Source:

Not Reported

Not Reported

Project no: Not Reported

Ground-water levels, Number of Measurements: 0

## AREA RADON INFORMATION

Federal EPA Radon Zone for MENOMINEE County: 1

Note: Zone 1 indoor average level > 4 pCi/L.

: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.

: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 54135

Number of sites tested: 113

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	3.513 pCi/L	80%	13%	7%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	5.470 pCi/L	41%	57%	3%

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

#### TOPOGRAPHIC INFORMATION

## USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002. 7.5-Minute DEMs correspond to the USGS

1:24,000- and 1:25,000-scale topographic quadrangle maps.

#### HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

#### HYDROGEOLOGIC INFORMATION

## AQUIFLOWR Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

## **GEOLOGIC INFORMATION**

#### Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

## STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

## ADDITIONAL ENVIRONMENTAL RECORD SOURCES

## **FEDERAL WATER WELLS**

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

#### USGS Water Wells: USGS National Water inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

#### STATE RECORDS

## Wisconsin Well Construction Report File

Source: Department of Natural Resources

Telephone: 608-266-0153

## **RADON**

State Database: WI Radon

Source: Department of Health & Family Services

Telephone: 608-266-1865

Wisconsin Measurement Summary

#### Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency

(USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey.

The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at

private sources such as universities and research institutions.

#### **EPA Radon Zones**

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor

radon levels.

#### **OTHER**

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration